

【配列表】

SEQUENCE LISTING

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AJINOMOTO CO., INC.

<120> A method for providing a property of stress-resistance

<130> RJH12-099K

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<170> PatentIn Ver. 2.0

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<212> PRT

<213> Arabidopsis thaliana

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Ile Thr Lys Pro Ser Leu Pro Ser Val Gln Asp Ser Asp Arg Ala Tyr

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25

30

Val Thr Phe Leu Ala Gly Asn Gly Asp Tyr Val Lys Gly Val Val Gly

35

40

45

Leu Ala Lys Gly Leu Arg Lys Val Lys Ser Ala Tyr Pro Leu Val Val

50

55

60

Ala Met Leu Pro Asp Val Pro Glu Glu His Arg Arg Ile Leu Val Asp

65

70

75

80

Gln Gly Cys Ile Val Arg Glu Ile Glu Pro Val Tyr Pro Pro Glu Asn

85

90

95

Gln Thr Gln Phe Ala Met Ala Tyr Tyr Val Ile Asn Tyr Ser Lys Leu

100

105

110

Arg Ile Trp Lys Phe Val Glu Tyr Ser Lys Met Ile Tyr Leu Asp Gly

115

120

125

Asp Ile Gln Val Tyr Glu Asn Ile Asp His Leu Phe Asp Leu Pro Asp

130

135

140

Gly Tyr Leu Tyr Ala Val Met Asp Cys Phe Cys Glu Lys Thr Trp Ser

145

150

155

160

His Thr Pro Gln Tyr Lys Ile Arg Tyr Cys Gln Gln Cys Pro Asp Lys

165

170

175

Val Gln Trp Pro Lys Ala Glu Leu Gly Glu Pro Pro Ala Leu Tyr Phe

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Asn Ala Gly Met Phe Leu Tyr Glu Pro Asn Leu Glu Thr Tyr Glu Asp

195

200

205

Leu Leu Arg Thr Leu Lys Ile Thr Pro Pro Thr Pro Phe Ala Glu Gln

210

215

220

Asp Phe Leu Asn Met Tyr Phe Lys Lys Ile Tyr Lys Pro Ile Pro Leu

225

230

235

240

Val Tyr Asn Leu Val Leu Ala Met Leu Trp Arg His Pro Glu Asn Val

245

250

255

Glu Leu Gly Lys Val Lys Val Val His Tyr Cys Ala Ala Gly Ser Lys

260

265

270

Pro Trp Arg Tyr Thr Gly Lys Glu Ala Asn Met Glu Arg Glu Asp Ile

275

280

285

Lys Met Leu Val Lys Trp Trp Asp Ile Tyr Asp Asp Glu Ser Leu

290

295

300

Asp Tyr Lys Lys Pro Val Thr Val Val Asp Thr Glu Val Asp Leu Val

305

310

315

320

Asn Leu Lys Pro Phe Ile Thr Ala Leu Thr Glu Ala Gly Arg Leu Asn

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330

335

Tyr Val Thr Ala Pro Ser Ala Ala

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<212> PRT

<213> Arabidopsis thaliana

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Thr Gly Gly Glu Lys Arg Ala Tyr Val Thr Phe Leu Ala Gly Thr Gly
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Asp Tyr Val Lys Gly Val Val Gly Leu Ala Lys Gly Leu Arg Lys Ala
35 40 45

Lys Ser Lys Tyr Pro Leu Val Val Ala Val Leu Pro Asp Val Pro Glu
50 55 60

Asp His Arg Lys Gln Leu Val Asp Gln Gly Cys Val Val Lys Glu Ile
65 70 75 80

Glu Pro Val Tyr Pro Pro Glu Asn Gln Thr Glu Phe Ala Met Ala Tyr
85 90 95

Tyr Val Ile Asn Tyr Ser Lys Leu Arg Ile Trp Glu Phe Val Glu Tyr

100

105

110

Asn Lys Met Ile Tyr Leu Asp Gly Asp Ile Gln Val Phe Asp Asn Ile

115

120

125

Asp His Leu Phe Asp Leu Pro Asn Gly Gln Phe Tyr Ala Val Met Asp

130

135

140

Cys Phe Cys Glu Lys Thr Trp Ser His Ser Pro Gln Tyr Lys Ile Gly

145

150

155

160

Tyr Cys Gln Gln Cys Pro Asp Lys Val Thr Trp Pro Glu Ala Lys Leu

165

170

175

Gly Pro Lys Pro Pro Leu Tyr Phe Asn Ala Gly Met Phe Val Tyr Glu

180

185

190

Pro Asn Leu Ser Thr Tyr His Asn Leu Leu Glu Thr Val Lys Ile Val

195

200

205

Pro Pro Thr Leu Phe Ala Glu Gln Asp Phe Leu Asn Met Tyr Phe Lys

210

215

220

Asp Ile Tyr Lys Pro Ile Pro Pro Val Tyr Asn Leu Val Leu Ala Met

225

230

235

240

Leu Trp Arg His Pro Glu Asn Ile Glu Leu Asp Gln Val Lys Val Val

245

250

255

His Tyr Cys Ala Ala Gly Ala Lys Pro Trp Arg Phe Thr Gly Glu Glu

260

265

270

Glu Asn Met Asp Arg Glu Asp Ile Lys Met Leu Val Lys Lys Trp Trp

275

280

285

Asp Ile Tyr Asn Asp Glu Ser Leu Asp Tyr Lys Asn Val Val Ile Gly

290

295

300

Asp Ser His Lys Lys Gln Gln Thr Leu Gln Gln Phe Ile Glu Ala Leu

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Ser Glu Ala Gly Ala Leu Gln Tyr Val Lys Ala Pro Ser Ala Ala

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<213> Artificial Sequence

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